103-50-10940 103-50-94 Larson 1-3" gravel small falls 75% pools rapids slow riffles excellent rearing coho fry present cut bank with gravel Tide: 2/3 and clay difficult Weather: lt. rain walking Air: 52°F average 8' wide, 4" deep Water: 50°F £3 7.0 pH rapids dark brown, clear 2' deep pool O 15 cfs flow (est.) ASA:  $464 \text{m}^2 (1000 \text{ '} \text{x} 10 \text{ '} \text{x} 50 \text{\%})$ Rearing: good areas with thick overhead cover completely overgrown with brush 5' wide 60% AS l' falls 秨 1-2" gravel 16' wide, 6" deep 2' deep pools rapids 1-3" gravel 9' wide, 4" deep very thick brush well rounded cobbles and scattered small boulders 70% ASA old windthrow and debris high tide total channel width = 90'(approximately) undercut banks intertidal spawning: 4' wide 1.5' deep pools (100'x10'x50% ASA) 1-2" gravel 6" deep 5' wide, 4" deep 1-2" gravel Portillo Channel 1 kingfisher 103-50-94 LULU ISLAND - 267 -

103-50-10940

Name:	Catalog No: 103-50-94
atitude: 55°30'4%" 44"	Former Stream No:
Longitude: 133 28 48 49	Was a latter
Condutic Man NO: Craig C5 - 25	Work Area: Ketchikan Watershed Length: 2.25 miles
Location: N Lulu Island, 0.25 mile S of	Drainage Area: 0.85 sq mi
t. Delgada; creek and lake including	Drainage Area: 0.85 sq mi Water Supply Type: runoff from low
tributaries	forested hills with scattered muskegs and
D 42 11 CC - 114 116	lking due to windthrow \small lakes
Trails & Survey Routes: difficult wa	Iking due to windthiow tomos
and very dense brush	
Aerial Survey Notes: a small stream w possible at the mouth only	ith dense overhead cover; aerial counts
Anchorage: near the stream mouth in	Portillo Channel
Tide Stage when Surveyed: 2/3	
RESOUF	
COMMERCIAL FISHERIES (species, escapink, chum and coho salmon; rearing habitatiming - late (September)	apement, timing, spawning area): t is good although limited in area;
Spawning area: 464m <sup>2</sup> (1000'x10'x50% ASA) Schooling Areas: at the mouth; in a f the forks near the upper limit of accessib	and at
Schooling Areas: at the mouth; in a f	few pools near the high tide mark; and at
the forks near the upper limit of accessib	ility
Spawning Areas: from the upper inte	ertidal sections to the forks
SHELLFISH POTENTIAL: dumgeness crab	present in Portillo Channel
SPORT FISHERIES: none	
LAND USE (history, present, propos	ed): unknown; presently in a natural state
REHABILITATION POTENTIAL: none	needed
SOILS: generally stable except in the	intertidal zone and upstream
GAME RESOURCES (species, use, hab mouth and several old salmon carcasses hi the vicinity	itat): 1 kingfisher observed near the stream gh on the stream banks; deer and furbearers in